**MATHS AND ENGLISH HOMEWORK TERM 1 WEEK 5**

Your Maths and English homework must be set out in your homework books with correct headings (ie. **English Homework**), each question written in red pencil or pen, and your answers (with workings out for your Maths shown) in grey led pencil or blue pen. Don’t forget to stick in each homework sheet. You can fill in your nightly reading homework on this activity sheet.

**PLACE VALUE AND NUMBER:**

**Question 1:** Write the following numbers in order from smallest to largest.

a. 1 121 528, 1 132 534, 1 123 453, 1 132 354, 1 121 825, 1 121 258, 1 123 543

b. 2 345 675, 2 354 675, 2 345 765, 2 435 765, 2 435 567, 2 534 675, 2 534 765

c. 8 176 657, 8 761 567, 8 176 567, 8 761 765, 8 176 765, 8 761 675, 8 671 657

**Question 2:** What is **Index Notation**? Give four examples of an index notation question and write the answer for it. Here is an example for you:

43:

4 x 4 x 4 = 64 , because 4 x 4 (= 16) x 4 (16 x 4) = 64

**Question 3:** What is a **square number**? Write the answers to the following questions **showing your workings out**:

1. 82 =
2. 62 =
3. 102 =
4. 112 =

And a couple of tricky ones if you can:

1. 332 =
2. (4 x 104) =
3. (3 x 73) =

**Question 4:** A **composite number** is a number that has more than 2 numbers which can be divided into itself (therefore more than two factors).

Eg. 12 = 3 x 4, 6 x 2, 12 x 1

Therefore, the factors of 12 are: 3, 4, 6, 2, 12, 1

Write the factors for the following numbers. You should set out each question the same way the example above has been set out:

1. 14 =
2. 24 =
3. 36 =
4. 42 =

And a tricky one if you can:

1. 64 =

**Question 5:** Increase or decrease the following numbers using your knowledge of place value. Hint: Begin with the one’s column and work your way through to the tens, thousands, tens of thousands, hundreds of thousands and millions column in that order:

1. 125 673 **+** 317
2. 27 891 **+** 202
3. 128 563 **+** 2113
4. 562 672 **–** 21 473
5. 2 361 521 **–** 72 210
6. 263 185 **–** 3 117

**SPELLING:**

In your homework book, you need to complete the following activity with your spelling words:

a. Write each of your spelling words three times each.

b. Write a definition for half of your spelling words – the trickiest ones.

c. Write the other half of your spellings words in a complete sentence to illustrate your understanding of the meaning of your words.

**READING:**

You are to read you novel each night and have an adult sign it. You should read at least 15 pages each night, and write from which pages of your novel you read. Alternatively, you may also choose to read 60 pages in one night.

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| **DAY OF THE WEEK** | **TITLE OF BOOK** | **PAGES READ** | **ADULT SIGNATURE** |
| **MONDAY** |  |  |  |
| **TUESDAY** |  |  |  |
| **WEDNESDAY** |  |  |  |
| **THURSDAY** |  |  |  |